

30509S~1.TXT
SEQUENCE LISTING

<110> WANG, XUEMIN
YONGMING, SANG

<120> DROUGHT TOLERANT PLANTS AND METHODS OF INCREASING DROUGHT TOLERANCE IN PLANTS

<130> 30509

<160> 2

<170> PatentIn version 3.0

<210> 1

<211> 783

<212> DNA

<213> Arabidopsis thaliana

<400> 1

tggtccaaga gaccacgatg tgtggaatgt ccaattgttt aggtccattg atggaggagc	60
tgctgctggg tttcccagat cgcctgaagc tgctgcggaa gccgggcttg tacagtggga	120
aagataacat cattgatagg agtatccaag atgcttacat tcatgcaatc agacgtgcta	180
aggatttcat ctacgttgaa aaccagtact tccttgggag ttcttttgct tgggcagccg	240
atggtattac tcctgaggac atcaatgccc tgcacttaat cccaaaagag ttgtcgctga	300
agatagttag caagattgat caaggagaga agttcagggg ctatgtttgtg gttccaatgt	360
ggccagaagg tctcccagag agtggatcag tgcaagctat attagactgg cagaggagga	420
ccatggagat gatgtacaag gatgtgattc aggtcttcaa gggctttgag ggcccggaag	480
atccaagaaa ctatctgaca ttcttctgtc ttggaaaccg tgagggtcaag aaagatggag	540
agtatgagcc tgctgagaaa ccagaccccg acactgatta catgagggcg caagaagcac	600
gccgtttcat gattttacgtc cacaccaaaa tgatgatcgt tgacgatgaa tacattatca	660
ttgggtctgc taacatcaac cagagggtcaa tggacggtgc aagagactct gagatagcaa	720
tgggagggtta tcaaccacat cacttgtccc atagacaacc agctcgtggc cagatccatg	780

ggt

783

<210> 2

<211> 2808

<212> DNA

<213> Ricinus communis

<400> 2

```

cttcgtttca cattctctgt actttttacga ttacgcgcacg acaaaattat tttatttgat    60
atatacatat acacggagct aagatcggat cagatcacag aaattctctc attctcagat    120
ctctctctgt ttctcttcat catcataaat ttacaagtga gaaatggcgc agatatcttt    180
gcacggaact ctacatgtaa cgatctatga ggtggataag cttcacagcg gaggtggtcc    240
ccacttcttt cgtaagcttg ttgaaaatat tgaggagaca gttggttttg gcaaaggagt    300
tagtaaaactc tatgcaacta ttgacctaga aaaggctaga gttgggagga ctagaatact    360
ggaaaaatgaa caatccaacc ccagggtggtg tgagtccttt cacgtttatt gtgctcatca    420
ggcttcaaat gtaatattca cagtcaagga tgataatcct attggggcca ccttaattgg    480
aagagcatat gtaccagttg aagagctcct agatggagaa gagatagata ggtggggtga    540
gatattggat gaagacaaga acccgcgtcca tagtggttct aagatccatg tgaaactgca    600
gtactttgag gttaccaagg accgtaactg gggacagggg atcagaagtt caaaatatcc    660
tgaggtacct tatacatact tctcgcagag acaaggatgt aaggtttctc tctaccaaga    720
tgctcatatt ccagacaaat ttgttcctca aattcctctt gctggaggca attactatga    780
gcctcacagg tgctgggaag atgtttttga tgcaattacc aatgcaaaac acttgatcta    840
catcactggc tggctctgtt atactgaaat ctctttaata agggactcga ggaggccaaa    900
gccaggagga gatatcaccc taggtgagct gcttaagaag aaggcaagtg aagggtgttag    960
ggtccttatg ctggtgtggg atgacagaac ctccgttggt ttattgaaaa aggatggact   1020
catggcaact catgatgagg agactgaaca tttcttccag aatactgatg tgcatttgtgt   1080
gctgtgtcct cgaaatcctg atgatggtgg aagctttggt caggatctac aaatctctac   1140
tatgttcact catcaccaga agattgtggt ggtggacagt gcaatgccta atggagattc   1200
gcagaggagg agaattgtca gttttgttgg gggctctcgac ctctgtgatg ggagatatga   1260
ttccccattc cattcccttt tcaggacact ggattcggca caccatgatg attttcatca   1320
gcccaacttt gctggtgctt caattgaaaa aggtggtcca agagaacctt ggcattgacat   1380
ccactccaga cttgaaggac caattgcttg ggatgttttg ttttaattttg agcagagatg   1440
gagaaagcaa ggtggttaaag acctgctcat tcagctgaga gaactagaag atgttatcat   1500

```

30509S~1.TXT

tcccccatct cctgttatgt atcctgatga ctttgaggca tggaatgtcc agttgttttag	1560
atccattgat ggtggagctg catttggttt ccctgagaca cctgaagatg cgccagaggc	1620
tgggcttgtc agtggaaagg ataacatcat tgaccgaagt attcaggatg cttatatcca	1680
tgccattcga agggcaaaga attttattta tattgaaaat cagtatttcc ttggaagttc	1740
ttttggttgg agtcctgatg gtattaagcc tgaggatatt aatgcactgc atctaatacc	1800
caaggaactt tactcaaga tacttagcaa gattgcggca ggggagaggt tactgttta	1860
cattgttggt ccaatgtggc cagaggggat accagagagt gcatcagttc aggctatatt	1920
agattggcag aagaggacaa tggaaatgat gtataaagat attgtgcagg ctctcaaagc	1980
caatggaatt attgaggatc ctcggaacta tctgacattc ttctgccttg gtaaccgcga	2040
agtgaagaag agtgggtgaat atgaacctgc agaaaaacca gagcctgata cagactatat	2100
aagagctcag gaggccagac gtttcatgat ttatgttcat acaaagatga tgattgtcga	2160
tgatgagtac attataattg gatctgcca catcaaccag agatcaatgg atggtgctag	2220
agactccgaa atagccatgg gagcctatca accacatcac ttgtcaacca ggcagccagc	2280
acgaggtcag atccatgggt tccgtatgtc attatggtac gaacaccttg gcatgctcga	2340
cgagtcattc cttaatccag aaagtgagga gtgtgtcaga aaggtgaacc agatggcaga	2400
aaaatattgg gatctctatt caagcgagac actggaacat gacctacctg gtcatttgct	2460
ccggtatcct attgggggtcg ctagtgaagg agatgtcaca gagctccctg gaaccgagtt	2520
tttccctgac acgaaggctc gtgttctagg tgctaaatcc gattaccttc ctccatcct	2580
gacaacttaa tggaactcta agcagttctc gaagaattac ctgccttgcc agcccattta	2640
tgttactagt tntagccaga aaataaatca tgtatcgcca ttctatccat aatgtttttg	2700
tgccaggatt ggggtatcag gattgacaga tgtgtcactg ctgtggtgtg gtgtgatgct	2760
gtctatgttg aactttgttt atctaatacca tgtctttttc tacaaaac	2808

Page 5 of 5



Fig. 1A

FIG. 1B



Fig. 1B



Fig. 1C

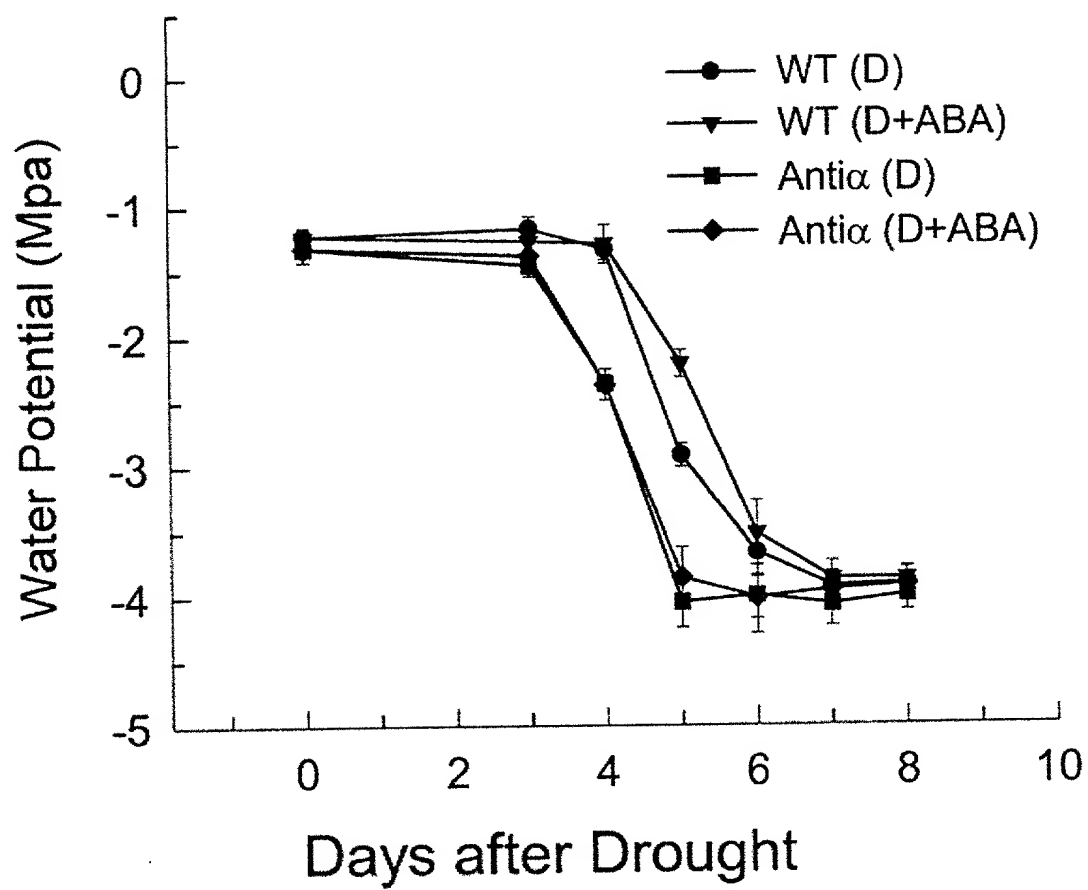


Fig. 7

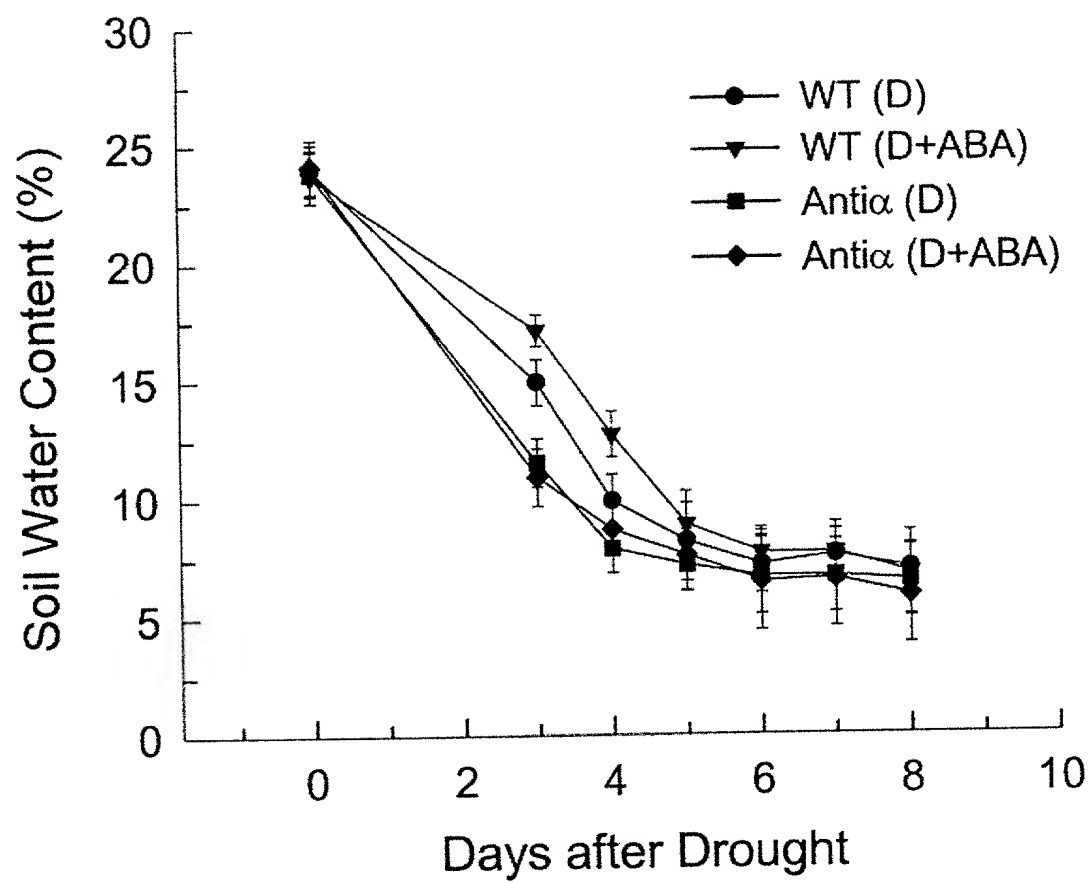


Fig. 8

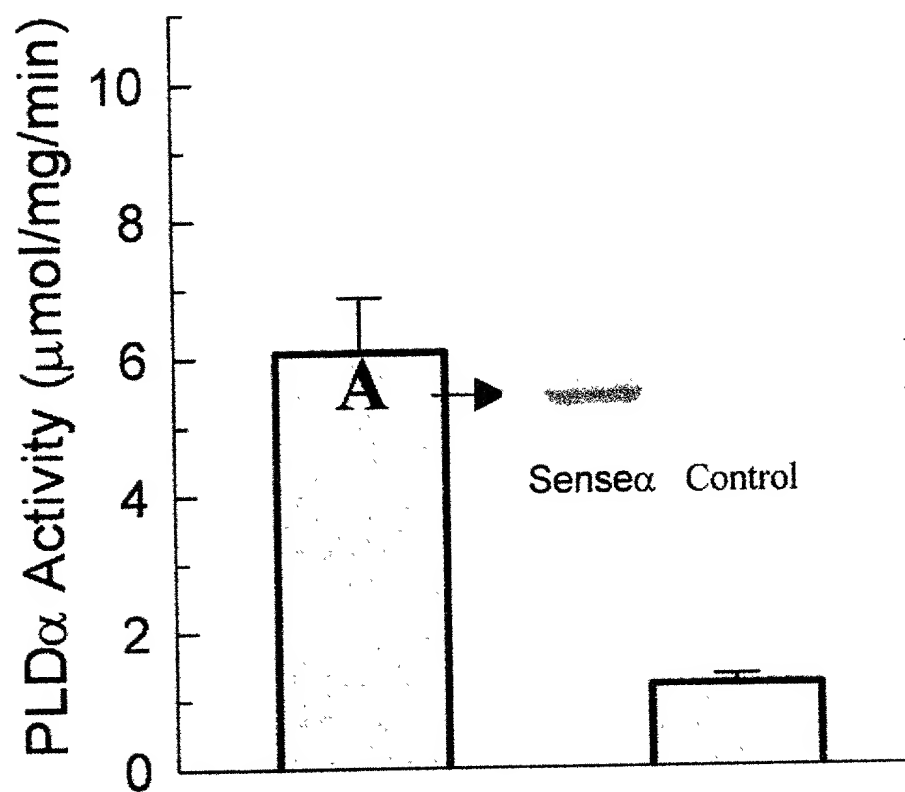


Fig. 9

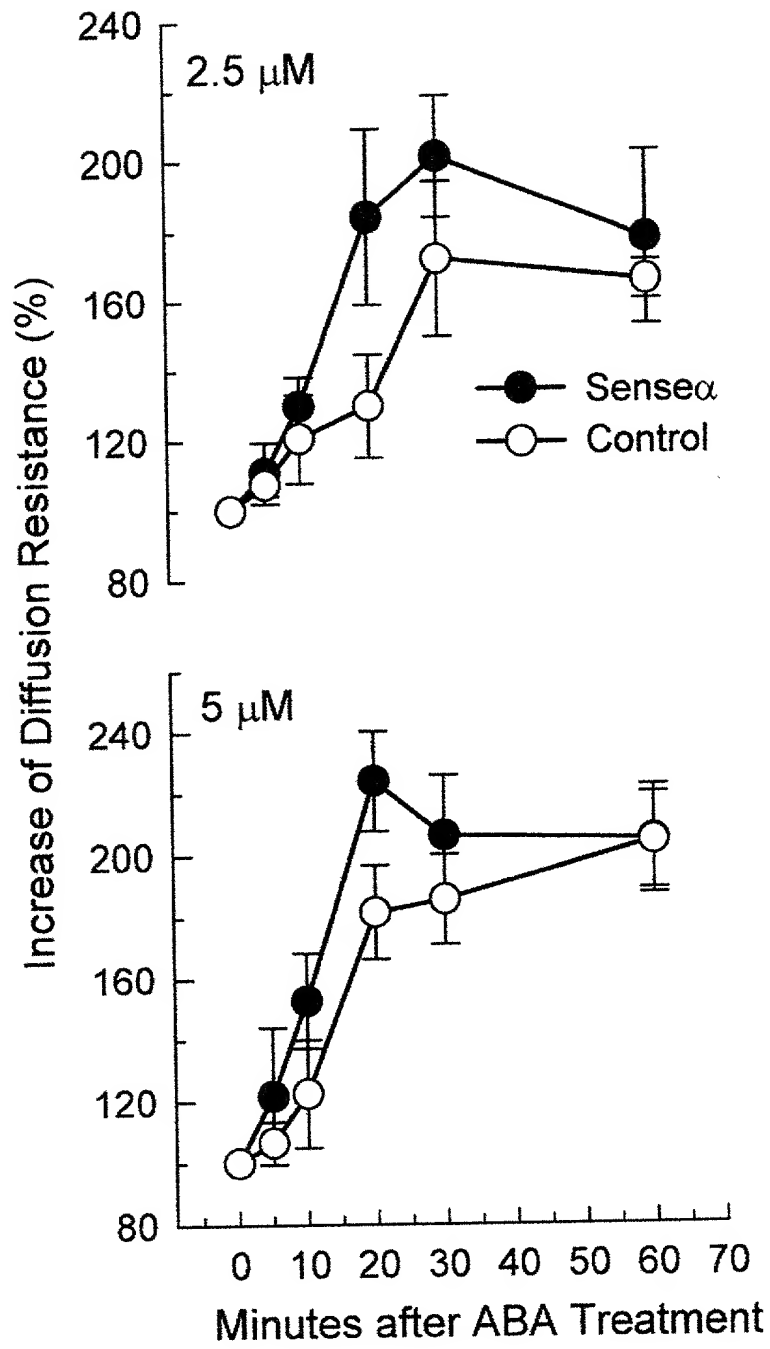


Fig. 10

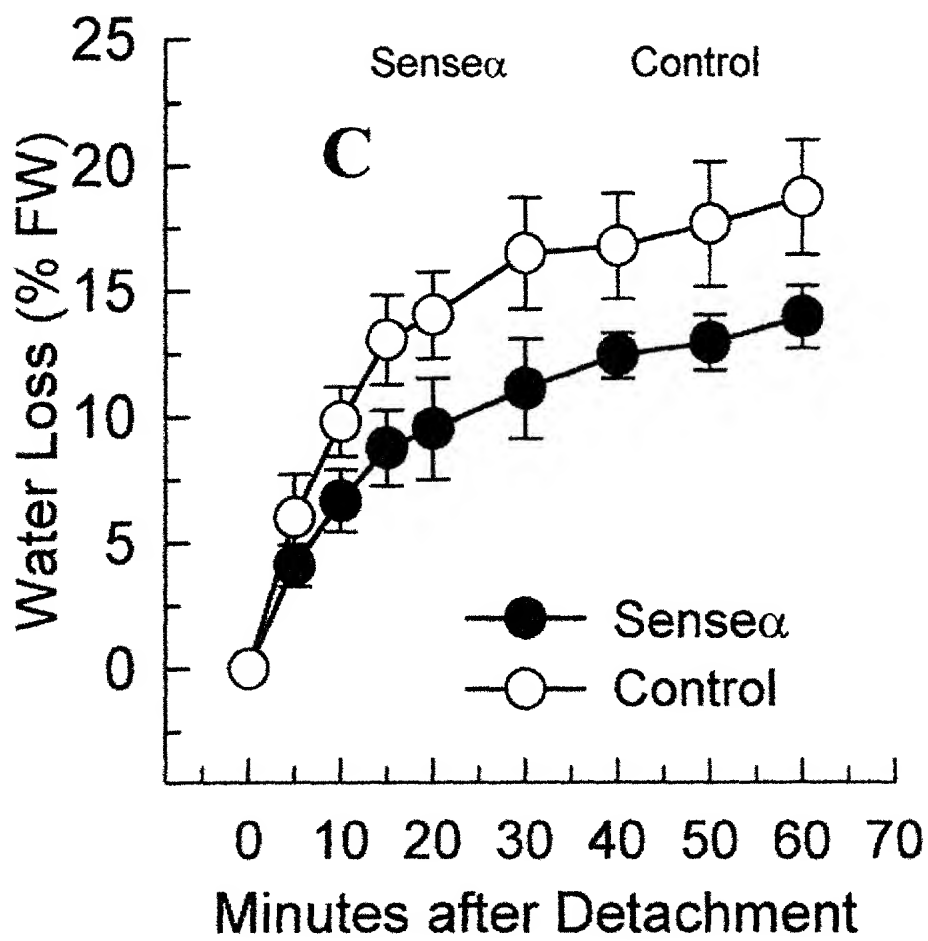


Fig. 11



Fig. 12